| L<br>Number | Hits   | Search Text  | DB  | Time stamp          |
|-------------|--------|--|---|---------------------|
| 9           | 49     | ((Mask or photoresist or nonwettable) with offset) and opening\$1 and (@ad<19991110) and (ball or bump) and (chip or die or microelectronic or device)                   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2004/10/27 13:08    |
| 10          | 417333 | (Mask or photoresist or nonwettable) ((pad or land) with offset) and opening\$1 and (@ad<19991110) and (ball or bump) and (chip or die or microelectronic or device)     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2004/10/27 13:08    |
| 11          | . 49   | (Mask or photoresist or nonwettable) and ((pad or land) with offset) and opening\$1 and (@ad<19991110) and (ball or bump) and (chip or die or microelectronic or device) | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2004/10/27 13:08    |
| 12          | 45     | l : = : · /  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2004/10/27          |
| 13          | . 1    | ("5517756").PN.  | USPAT   | 2004/10/27          |
| 14          | 820    | 257/778.ccls. and (@ad<19991110) and solder  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB            | 2004/10/27 13:22    |
| -           | 0      | ("2004099936").PN.   | USPAT;<br>US-PGPUB                                    | 2004/10/26          |
| -           | 1      | ("20040099936").PN.  | USPAT;<br>US-PGPUB                                    | 2004/10/26<br>14:21 |
| . =         | - 2472 | (chip or die or chips or dies) and (Mask with pad\$1) and (@ad<19991110)   | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB            | 2004/10/26<br>14:24 |
| -           | 1      | ("6118182").PN.  | USPAT   | 2004/10/26          |
| \ <u> </u>  | 710    | ((chip or die or chips or dies) and (Mask with pad\$1) and (@ad<19991110)) and (Mask with opening\$1)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB            | 2004/10/26<br>15:16 |
| _           | 280    | (((chip or die or chips or dies) and (Mask with pad\$1) and (@ad<19991110)) and (Mask with opening\$1) ) and (ball or balls or bump)                                     | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB            | 2004/10/26<br>14:26 |
| -           | 37     | 5523920.URPN   | USPAT   | 2004/10/26<br>14:47 |
| _           | 1      | ("6441316").PN.  | USPAT   | 2004/10/26<br>15:02 |
| _           | 710    | ((chip or die or chips or dies) and (Mask with pad\$1) and (@ad<19991110)) and (Mask with opening\$1)  | USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB            | 2004/10/26<br>15:41 |
| _           | 68     | 257/778.ccls. and (Mask with opening\$1) and (@ad<19991110)  | USPAT;<br>EPO; JPO;<br>DERWENT;                       | 2004/10/27          |
| _           | 18     | 257/777.ccls. and (Mask with opening\$1)<br>and (@ad<19991110)   | IBM_TDB<br>USPAT;<br>EPO; JPO;<br>DERWENT;            | 2004/10/26<br>15:28 |
| _           | . 69   | 257/737.ccls. and (Mask with opening\$1)<br>and (@ad<19991110)   | IBM_TDB<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2004/10/26<br>15:32 |

| - | 17   | 257/459.ccls. and (Mask with opening\$1) | USPAT;    | 2004/10/26 |
|---|------|--|-----------|------------|
|   | 1    | and (@ad<19991110)                       | EPO; JPO; | 15:33      |
|   |      | ·  | DERWENT;  |            |
|   |      |  | IBM_TDB   |            |
| - | 76   | 438/612.ccls. and (Mask with opening\$1) | USPAT;    | 2004/10/26 |
|   |      | and (@ad<19991110)                       | EPO; JPO; | 15:37      |
|   |      |  | DERWENT;  |            |
|   |      | ·  | IBM_TDB   |            |
| - | 60   | 438/613.ccls. and (Mask with opening\$1) | USPAT;    | 2004/10/26 |
|   |      | and (@ad<19991110)                       | EPO; JPO; | 15:40      |
|   |      |  | DERWENT;  |            |
|   |      |  | IBM_TDB   | . 1        |
| - | 1908 | (  | USPAT;    | 2004/10/26 |
|   |      | with solder) and (@ad<19991110)          | EPO; JPO; | 15:41      |
|   |      |  | DERWENT;  |            |
|   |      |  | IBM_TDB   |            |
| - | 956  | ` ` ` · · · - <u> </u>                   | USPAT;    | 2004/10/26 |
|   |      | with solder) and (@ad<19991110) ) and    | EPO; JPO; | 15:43      |
|   |      | opening\$1                               | DERWENT;  |            |
|   |      |  | IBM TDB   |            |